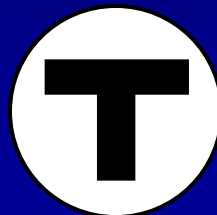




APTA Federal Transit Administration



State of Good Repair Database



Jonathan R. Davis
Deputy General Manager & Chief Financial Officer
October 8, 2008



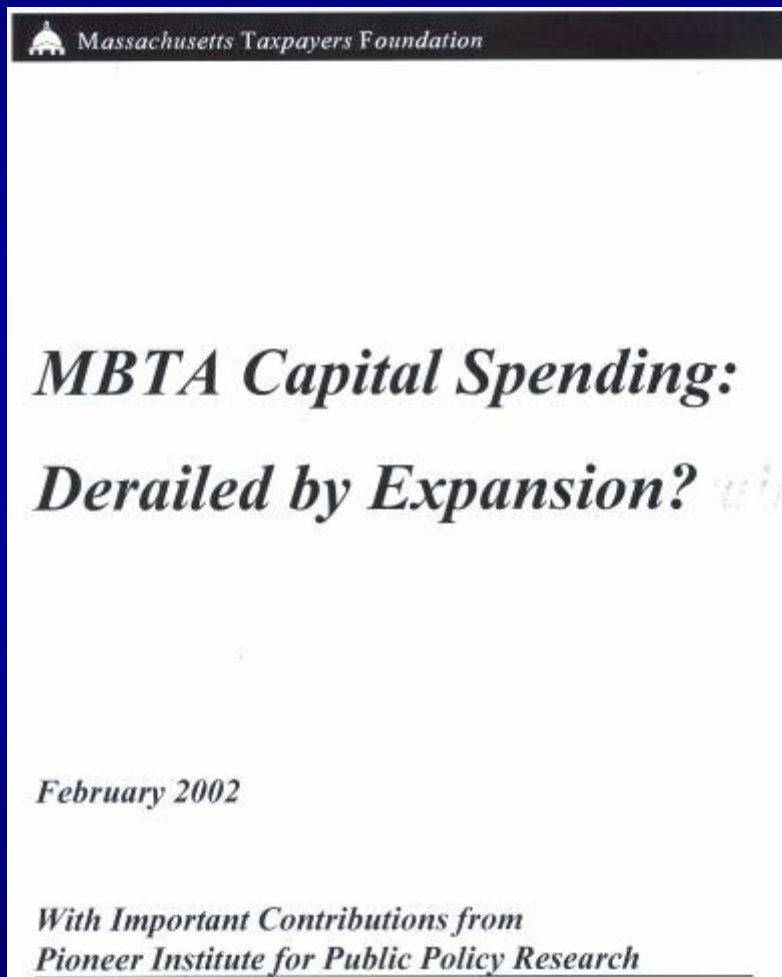
MBTA Profile



- ⑤ 5th largest transit property
- ⑤ Multimodal public authority
- ⑤ 175 communities served
- ⑤ 1.1 million passengers per day
- ⑤ 55% of all work trips to Boston are made on the MBTA
- ⑤ 60% of the commuters traveling to Boston's financial district ride the T



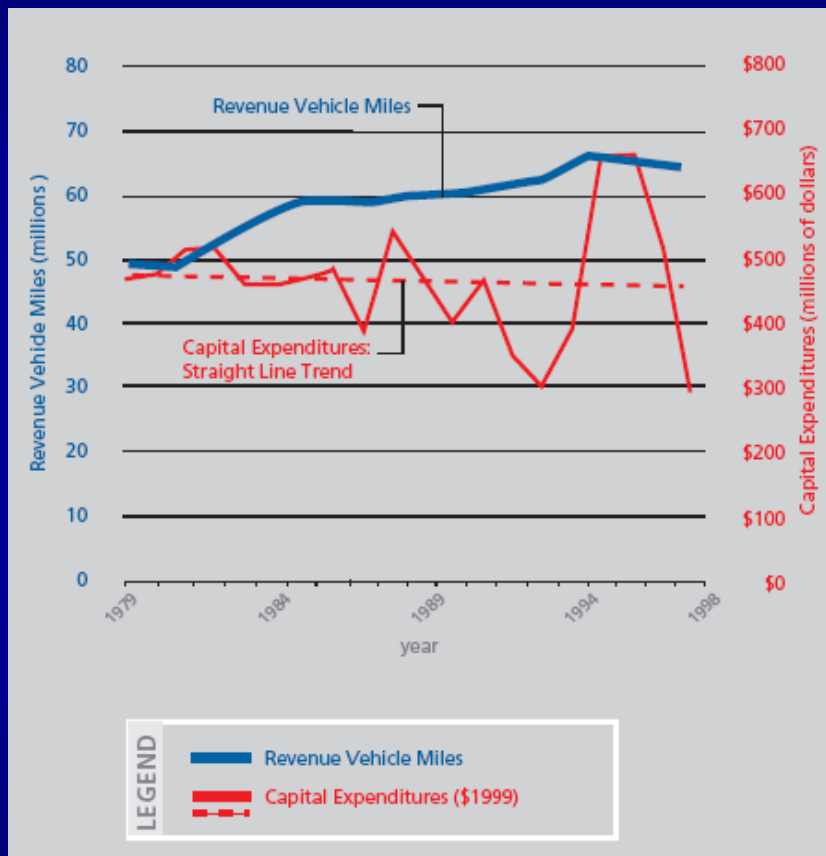
Background :State of Good Repair Initiative: 2002 – Massachusetts Taxpayers Foundation



- Ⓣ Capital needs of antiquated system are growing faster than revenues
- Ⓣ Elimination of unlimited state subsidies under forward funding changed the way capital projects are evaluated
- Ⓣ Maintenance and modernization of the current system must be the top priority
- Ⓣ Debt burden limits the ability of MBTA to fund capital program
- Ⓣ Too much reliance on debt financing and limited “paygo” capital



What we learned: State of Good Repair Database Clearly Defined the Investment Backlog

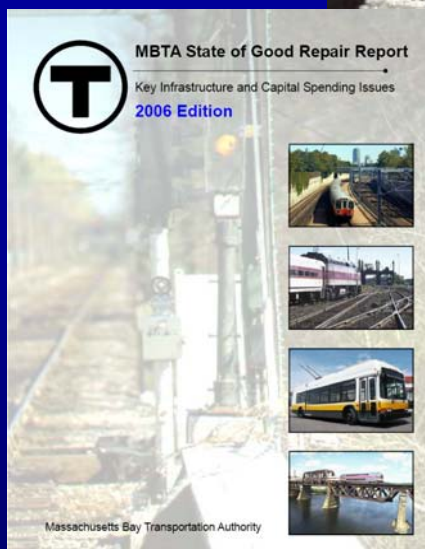


- T “Assessed current state of capital assets
- T System identifies and prioritizes capital renewal and replacement needs
- T Estimated backlog ~ \$2.7 billion
- T Annual capital spending of \$620 million needed to eliminate the backlog in 20 years
- T SGR investment rate
 - 94% of FY2008 – 2012 Capital Investment Program (CIP)

MBTA Vehicle Miles and Capital Expenditures



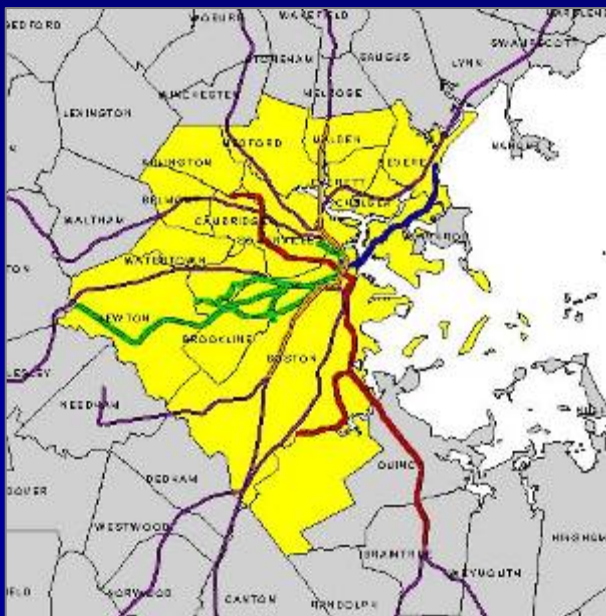
Background :State of Good Repair Initiative: 2003 – Capital Spending and Infrastructure Report



- Ⓣ State of Good Repair (SGR) study assessed the condition of MBTA's capital assets
- Ⓣ SGR Database provides a uniform and equitable system for identifying and prioritizing capital needs
- Ⓣ Assets within their useful life are in a State of Good Repair
- Ⓣ Backlog of capital investments needed to achieve SGR estimated at \$2.7 billion
- Ⓣ The State of Good Repair Report is now periodically updated

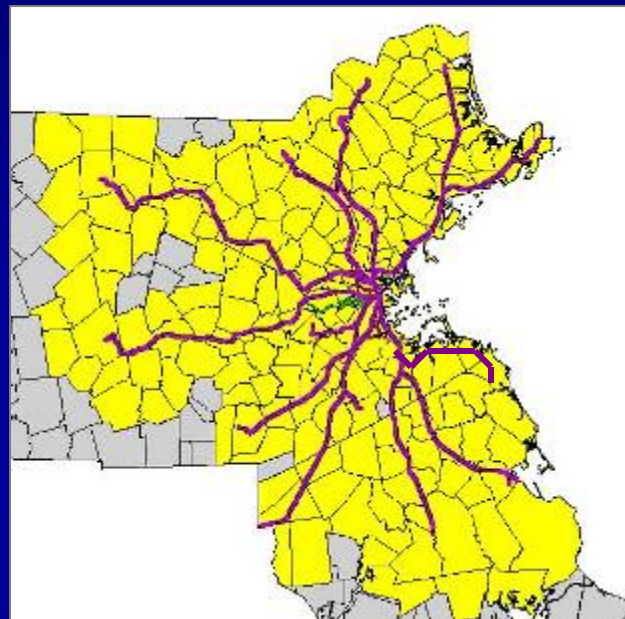


SGR Database Drives Investment into the Core System



Core Service Areas:
Bus, Subway, Silver Line

75%



Suburban Service Areas:
Commuter Rail

25%



Defining the Backlog is Important to Maintaining the Transit System

- Ⓣ The Authority has a responsibility to be good stewards of the system
- Ⓣ State of Good Repair backlog of approximately \$2.7 billion
- Ⓣ The Authority is committed to making the \$470 million annual reinvestment needed just to maintain the current state of good repair backlog
- Ⓣ Failure to make this annual investment will result in a downward spiral of increasingly unreliable service and declining ridership



The required infrastructure investment far surpasses the Authority's financial resources



MBTA Capital Needs: Tracks



Before



After

Highland Branch



MBTA Capital Needs: Stations



Before



After

Butler Station



MBTA Capital Needs: Stations



Before



After

Boylston Station



MBTA Capital Needs: Stations



After renovation



Boylston Station



MBTA Capital Needs: Stations



Before



After

Symphony Station



MBTA Capital Needs: Tunnels



Before



After

New Equipment for Pump Rooms



MBTA Capital Needs: Power

Before



After



Substation Control Battery Sets



MBTA Capital Needs: Power



Before



After

Substation DC Breakers



“Fix - it – First:” SGR Provides a Basis for Prioritizing Infrastructure Projects



Investing in the MBTA's Future

Capital Investment Program

FY 2008 – FY 2012



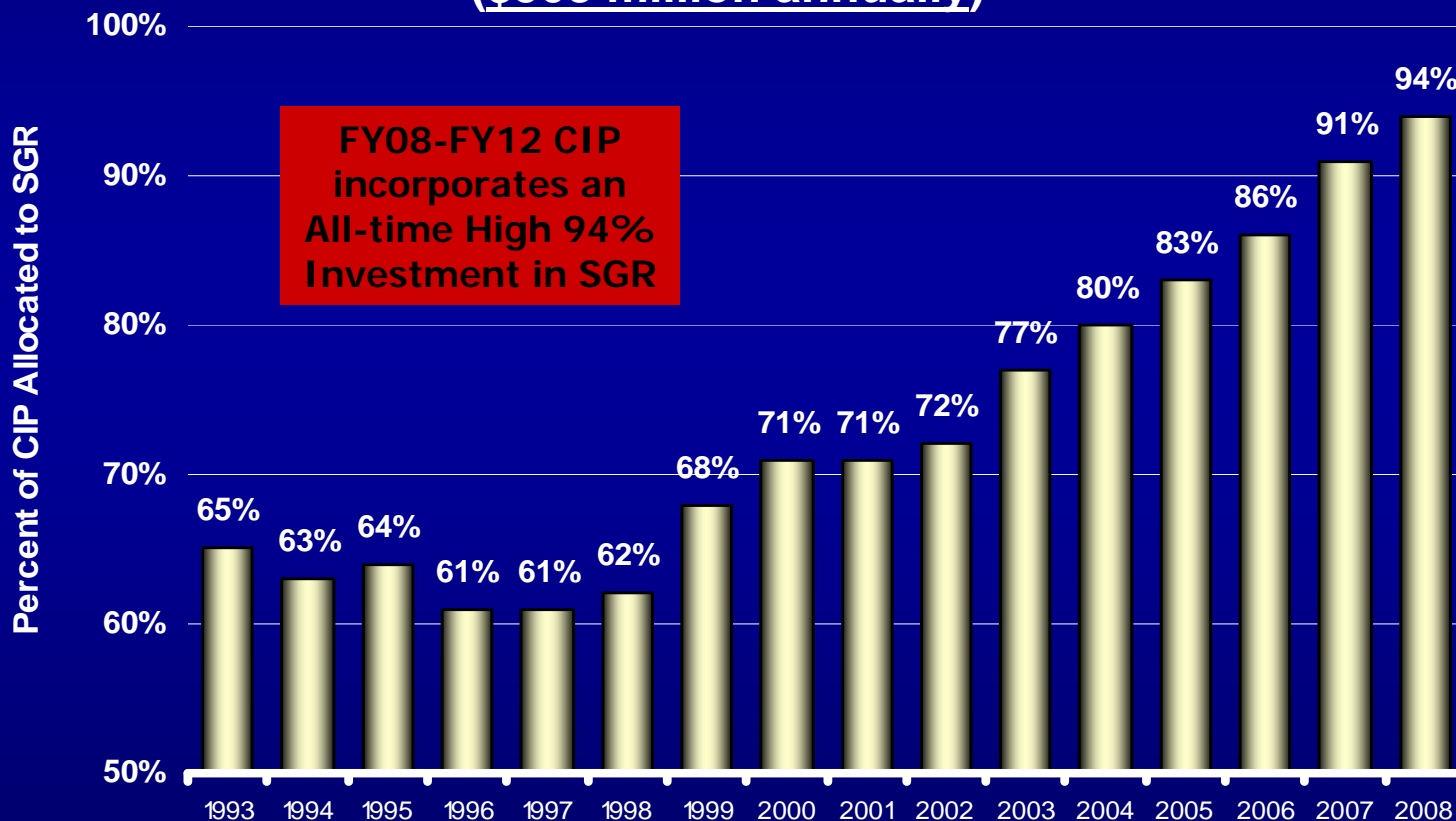
Massachusetts Bay Transportation Authority
Driven by Customer Service

- Ⓣ The Authority prioritizes capital reinvestment in the core system before expansion
 - A “fix-it-first” strategy
 - Expansion places a strain on limited capital and operating revenues
- Ⓣ The Commonwealth has committed to pay capital costs for any future system expansion
 - No similar commitment for increased operating costs
- Ⓣ SGR database provides a basis for scoring and prioritizing investments in the core system
 - America's oldest subway



SGR Funding Takes Precedence in the Capital Investment Program

FY2008-FY2012 CIP Focus: SGR \$2.542 billion over 5 years
(\$508 million annually)



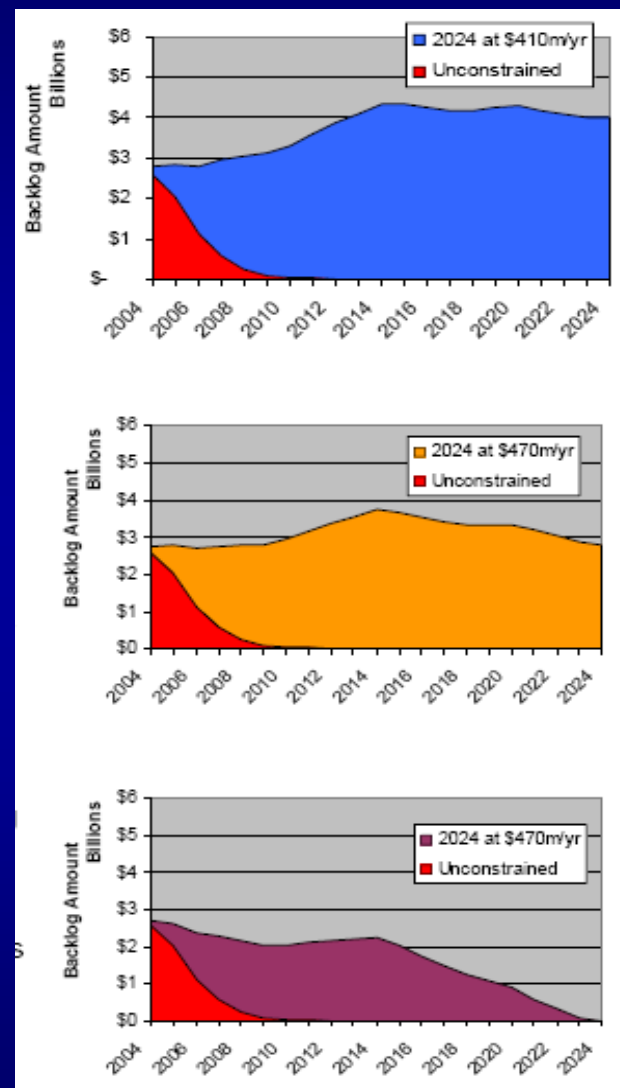


Funding the Backlog of Infrastructure Investment

Current State of Good Repair backlog – \$2.7 billion*

- Chart 1 – Investing \$410 million per year increases backlog to \$4 billion in 2024
- Chart 2 – Investing \$470 million annually maintains the backlog at \$2.7 billion
- Chart 3 – An investment of \$620 million per year is necessary to eliminate the backlog by 2024

*Analysis performed in 2006





State of Good Repair Conclusion



- Ⓣ No transit system can meet the “ideal” system condition
 - We can make more effective decisions
 - We can optimize our investments
- Ⓣ The Authority is currently upgrading and increasing the functionality of the State of Good Repair Database
 - Updated cost drivers
 - Ability to calculate the impact of State of Good Repair investments on the operating budget